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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/092,843

03/06/2002

Gregory J. Artz

03248.00057

9439

22908

7590

02/11/2004

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EXAMINER

CHEUNG, WILLIAM K

ART UNIT

PAPER NUMBER

1713

DATE MAILED: 02/11/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Applicati n N .

10/092,843

Applicant(s)

ARTZ ET AL. **eb 10**

Examiner

William K Cheung

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) 7-16 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Request for Continued Examination

1. The request filed on December 2, 2003 for a Request for Continued Examination (RCE) under 37 CFR 1.53(d) based on parent Application No. 10092843 is acceptable and a RCE has been established. An action on the RCE follows.
2. The examiner acknowledges the receipt of Drawings filed October 20, 2003.
3. In view of a Request for Continued Examination filed on December 2, 2003, the amendment have been entered.
4. In view of the objection to new matters found in Amendment filed on December 2, 2003, the allowance of claims 1-6 has been withdrawn.

Objections

5. The amendment filed December 2, 2003 is objected to under 35 U.S.C. 132 because it introduces new matter into the disclosure. 35 U.S.C. 132 states that no amendment shall introduce new matter into the disclosure of the invention. The added

material which is not supported by the original disclosure is as follows: The proposed amendment of paragraph 23 of page 7 of the specification, the proposed amendment for claims 1, 6-7 introduce a new matter "polyvinylpyrrolidone" which is not supported in the original disclosure of the application.

Applicant is required to cancel the new matter in the reply to this Office Action.

Allowable Subject Matter

6. Claims 1-6 are allowable if the objection to new matters included in the amendment filed December 2, 2003 is overcome.

7. As of the date of this office action, the examiner has not located or identified any reference that can be used singularly or in combination with another reference including the closest prior art of Lombardi et al. (US 6,325,958 B1) to render the present invention anticipated or obvious to one of ordinary skill in the art.

Lombardi et al. (abstract; figure) disclose material system for preparing a mold core used in the fabrication of composite parts comprising a matrix composition comprising poly(2-ethyl-2-oxazoline) and polyvinylpyrrolidone water soluble polymers,

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and a finishing composition. However, Lombardi et al. are silent on a material system comprising a finishing composition for smoothing an outer surface of the mold core by covering any undesired surface contours or cracks on the outer surface, the finishing composition comprising a water-soluble thermoplastic binder and a hardening compound. Therefore, it would not be apparent to one of ordinary skill in art to use the material system teachings in Lombardi et al. to obtain the invention of claims 1-5.

Regarding claim 6, Lombardi et al. do not indicate anywhere in the disclosure that poly(2-ethyl-2-oxazoline) is a non-critical element in the invention. Therefore, it would not be apparent to one of ordinary skill in art to remove the poly (2-ethyl-2-oxazoline) component of Lombardi et al. to obtain the invention of claim 6.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William K Cheung whose telephone number (571) 272-1097. The examiner can normally be reached on Monday-Friday 9:00AM to 2:00PM; 4:00PM to 8:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David WU can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1300.

A handwritten signature in black ink, appearing to read 'William K. Cheung', with a long, sweeping horizontal stroke extending to the right.

William K. Cheung

Patent Examiner

February 7, 2004